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For: Cable Connector Incorporating Anisotropically Conductive Elastomer

### **ABSTRACT**

A separable electrical connector for separably, electrically interconnecting the conductors  
5 of one multi-conductor cable to the conductors of a second electrical device that may be an  
electrical device such as a chip, or a second multi-conductor cable, or a flexible or rigid printed  
circuit board. The connector includes a layer of anisotropic conductive elastomer (ACE) in  
electrical contact with the conductors of the cable and the conductors of the second electrical  
device. A clamp or another type of mechanical device compresses the ACE, to provide electrical  
10 signal paths between the conductors of the cable and the second electrical device, through the  
ACE.